Response of vegetable cowpea to nitrogen and potassium under varying methods of irrigation

V. Geetha, Kuruvilla Varughese

Abstract

An experiment on vegetable cowpea *Vigna unguiculata* subsp. *sesquipedalis*) with three methods of irrigation (surface irrigation at 20 mm CPE with 40 mm water, irrigation at 10 mm CPE with 20 mm water through micro-sprinkler and farmer's practice of daily pot watering with 10 mm water) and three levels each of nitrogen and potassium (0, 20 and 40 kg haj) was conducted in the sandy clay loam soils.of the Instructional Farm of the College of Agriculture, Trivandrum during the summer season of 1999. Irrigating the crop with 20 mm water through micro-sprinkler resulted in significantly higher green pod yield as compared to the other two methods. The crop response to nitrogen and potassium was positive up to 20 kg ha-1.

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